(IIa)

## **IN THE CLAIMS:**

Claim 1 (canceled).

Claim 2 (previously presented): A compound of the formula IIa:

$$R^2$$
 $R^3$ 
 $R^4$ 
 $R^5$ 

wherein

X is -CH( $\mathbb{R}^7$ )- wherein  $\mathbb{R}^7$  is hydrogen, hydroxy,  $\mathbb{C}_{1-7}$ alkoxy, -OR<sup>8</sup> or -NR<sup>8</sup>R<sup>9</sup>, wherein  $\mathbb{R}^8$  is a group -Y<sup>1</sup>R<sup>10</sup>, wherein

 $Y^1$  is a direct bond, -C(O)-, -C(S)-, -S-, -C(O)O-,  $-C(O)NR^{11}$ -,  $-SO_2$ - or  $-SO_2NR^{12}$ - (wherein  $R^{11}$  and  $R^{12}$ , which may be the same or different, each independently represents hydrogen,  $C_{1-3}$ alkyl or  $C_{1-3}$ alkoxy $C_{2-3}$ alkyl) and

R<sup>10</sup> is selected from one of the following nine groups:

1) hydrogen, C<sub>1-7</sub>alkyl, C<sub>3-7</sub>cycloalkyl, C<sub>1-4</sub>alkylY<sup>8</sup>C<sub>1-4</sub>alkyl wherein Y<sup>8</sup> is as defined herein, or phenyl,

which alkyl, cycloalkyl, alkylY<sup>8</sup>alkyl or phenyl group may bear one or more substituents selected from: halogeno, amino, C<sub>1-4</sub>alkylamino, di(C<sub>1-4</sub>alkyl)amino, hydroxy, carboxy, carbamoyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>alkylsulphanyl, C<sub>1-4</sub>alkylsulphonyl, C<sub>1-4</sub>alkoxycarbonylamino, C<sub>1-4</sub>alkanoyl, phenyl, nitro, sulphate, phosphate, Z<sup>1</sup>,

wherein Z<sup>1</sup> represents a 5-6 membered saturated heterocyclic group (linked via carbon or nitrogen) with 1-2 heteroatoms, selected independently from O, S and N, which heterocyclic group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>hydroxyalkyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>aminoalkyl, C<sub>1-7</sub>alkanoyl, cyanoC<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkyl,

 $C_{1\text{-4}}$ alkyl $Z^1$  (wherein  $Z^1$  is as defined herein), and a group - $Y^2R^{13}$ , wherein

- $Y^2$  is -NR<sup>14</sup>C(O)- or -O-C(O)- (wherein R<sup>14</sup> represents hydrogen,  $C_{1-3}$ alkyl or  $C_{1-3}$ alkoxy $C_{2-3}$ alkyl) and
- R<sup>13</sup> is C<sub>1-7</sub>alkyl, C<sub>3-7</sub>cycloalkyl or a group R<sup>15</sup> wherein R<sup>15</sup> is a phenyl group or a 5-10-membered aromatic heterocyclic group (linked via carbon or nitrogen) with 1-4 heteroatoms selected independently from O, N and S, which phenyl or aromatic heterocyclic group may bear one or more substituents selected from hydroxy, nitro, halogeno, amino, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>haloalkyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>hydroxyalkyl, C<sub>1-4</sub>aminoalkyl, C<sub>1-4</sub>alkylamino, C<sub>1-4</sub>hydroxyalkoxy, carboxy, cyano, -CONR<sup>16</sup>R<sup>17</sup> and -NR<sup>18</sup>COR<sup>19</sup> (wherein R<sup>16</sup>, R<sup>17</sup>, R<sup>18</sup> and R<sup>19</sup>, which may be the same or different, each represents hydrogen, C<sub>1-3</sub>alkyl or C<sub>1-3</sub>alkoxyC<sub>2-3</sub>alkyl);
- 2) R<sup>15</sup> wherein R<sup>15</sup> is as defined herein;
- 3) C<sub>2-7</sub>alkenylR<sup>15</sup> (wherein R<sup>15</sup> is as defined herein);
- 4) C<sub>3-7</sub>alkynylR<sup>15</sup> (wherein R<sup>15</sup> is as defined herein);
- 5)  $Z^1$  (wherein  $Z^1$  is as defined herein);
- 6) C<sub>1-7</sub>alkylZ<sup>1</sup> (wherein Z<sup>1</sup> is as defined herein);
- 7) C<sub>1-7</sub>alkylY<sup>8</sup>Z<sup>1</sup>, wherein

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Z<sup>1</sup> is as defined herein and

Y<sup>8</sup> is -C(O)-, -NR<sup>59</sup>C(O)-, -NR<sup>59</sup>C(O)C<sub>1-4</sub>alkyl-, -C(O)NR<sup>60</sup>- or
-C(O)NR<sup>60</sup>C<sub>1-4</sub>alkyl-, (wherein R<sup>59</sup> and R<sup>60</sup>, which may be the same or
different, each represents hydrogen, C<sub>1-3</sub>alkyl, C<sub>1-3</sub>hydroxyalkyl or
C<sub>1-3</sub>alkoxyC<sub>2-3</sub>alkyl);

8)  $(C_{1-7}alkyl)_c Y^9 Z^3$ , wherein

c is 0 or 1,

Z<sup>3</sup> is an amino acid group and

 $Y^9$  is a direct bond, -C(O)- or -NR<sup>61</sup>- (wherein R<sup>61</sup> is hydrogen, C<sub>1-3</sub>alkyl or C<sub>1-3</sub>alkoxyC<sub>2-3</sub>alkyl); and

9) C<sub>1-7</sub>alkylR<sup>15</sup> (wherein R<sup>15</sup> is as defined herein); and

R<sup>9</sup> is hydrogen, C<sub>1-7</sub>alkyl or C<sub>3-7</sub>cycloalkyl, which alkyl or cycloalkyl group may bear one or more substituents selected from C<sub>1-4</sub>alkoxy and phenyl;

R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> are each independently hydrogen, PO<sub>3</sub>H<sub>2</sub>, sulphate, C<sub>3-7</sub>cycloalkyl, C<sub>2-7</sub>alkenyl, C<sub>2-7</sub>alkynyl, C<sub>1-7</sub>alkanoyl, a group R<sup>20</sup>C<sub>1-7</sub>alkyl (wherein R<sup>20</sup> is phenyl which may bear one or more substituents selected from C<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>aminoalkyl and C<sub>1-4</sub>hydroxyalkoxy), C<sub>1-7</sub>alkyl or C<sub>1-7</sub>alkylsulphonyl,

which alkyl or alkylsulphonyl group may bear one or more substituents selected from: halogeno, amino,  $C_{1-4}$ alkylamino, di( $C_{1-4}$ alkyl)amino, hydroxy,  $C_{1-4}$ alkoxy,  $C_{1-4}$ alkylsulphonyl,  $C_{1-4}$ alkylsulphonyl,  $C_{1-4}$ alkoxycarbonylamino,  $C_{1-4}$ alkanoyl, carboxy, phenyl, nitro, sulphate, phosphate and a group - $Y^2R^{21}$ , wherein

 $Y^2$  is -NR<sup>22</sup>C(O)- or -O-C(O)- (wherein R<sup>22</sup> represents hydrogen, C<sub>1-3</sub>alkyl or C<sub>1-3</sub>alkoxyC<sub>2-3</sub>alkyl) and

R<sup>21</sup> is C<sub>1-7</sub>alkyl, C<sub>3-7</sub>cycloalkyl or a group R<sup>23</sup> wherein R<sup>23</sup> is a phenyl group or a 5-10-membered aromatic heterocyclic group (linked via carbon or nitrogen) with 1-4 heteroatoms selected independently from O, N and S, which phenyl or

aromatic heterocyclic group may bear one or more substituents selected from hydroxy, nitro, halogeno, amino, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>haloalkyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>hydroxyalkyl, C<sub>1-4</sub>aminoalkyl, C<sub>1-4</sub>alkylamino, C<sub>1-4</sub>hydroxyalkoxy, carboxy, cyano, -CONR<sup>24</sup>R<sup>25</sup> and -NR<sup>26</sup>COR<sup>27</sup> (wherein R<sup>24</sup>, R<sup>25</sup>, R<sup>26</sup> and R<sup>27</sup>, which may be the same or different, each represents hydrogen, C<sub>1-3</sub>alkyl or C<sub>1-3</sub>alkoxyC<sub>2-3</sub>alkyl);

with the proviso that at least two of  $R^1$ ,  $R^2$  and  $R^3$  are  $C_{1-7}$ alkyl;

 $\mathbf{R}^4$  is hydrogen, cyano, halogeno, nitro, amino, hydroxy,  $C_{1-7}$ alkoxy,  $C_{1-7}$ thioalkoxy,  $C_{1-7}$ alkanoyl or  $C_{1-7}$ alkyl,

which alkyl group may bear one or more substituents selected from: halogeno, amino,  $C_{1-4}$ alkylamino, di( $C_{1-4}$ alkyl)amino, hydroxy,  $C_{1-4}$ alkoxy,  $C_{1-4}$ alkylsulphanyl,  $C_{1-4}$ alkylsulphonyl,  $C_{1-4}$ alkoxycarbonylamino,  $C_{1-4}$ alkanoyl, carboxy, phenyl, nitro, sulphate, phosphate and a group - $Y^3$ R<sup>28</sup>, wherein

 $Y^3$  is -NR<sup>29</sup>C(O)- or -O-C(O)- (wherein R<sup>29</sup> represents hydrogen, C<sub>1-3</sub>alkyl or C<sub>1-3</sub>alkoxyC<sub>2-3</sub>alkyl) and

R<sup>28</sup> is C<sub>1-7</sub>alkyl, C<sub>3-7</sub>cycloalkyl or a group R<sup>30</sup> wherein R<sup>30</sup> is a phenyl group or a 5-10-membered aromatic heterocyclic group (linked via carbon or nitrogen) with 1-4 heteroatoms selected independently from O, N and S, which phenyl or aromatic heterocyclic group may bear one or more substituents selected from hydroxy, nitro, halogeno, amino, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>haloalkyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>hydroxyalkyl, C<sub>1-4</sub>aminoalkyl, C<sub>1-4</sub>alkylamino, C<sub>1-4</sub>hydroxyalkoxy, carboxy, cyano, -CONR<sup>31</sup>R<sup>32</sup> and -NR<sup>31</sup>COR<sup>32</sup> (wherein R<sup>31</sup>, R<sup>32</sup>, R<sup>33</sup> and R<sup>34</sup>, which may be the same or different, each represents hydrogen, C<sub>1-3</sub>alkyl or C<sub>1-3</sub>alkoxyC<sub>2-3</sub>alkyl);

R<sup>5</sup> and R<sup>6</sup> are each independently selected from hydrogen, -OPO<sub>3</sub>H<sub>2</sub>, phosphonate, cyano, halogeno, nitro, amino, carboxy, carbamoyl, hydroxy, C<sub>1-7</sub>alkoxy, C<sub>1-7</sub>alkanoyl, C<sub>1-7</sub>thioalkoxy, C<sub>1-7</sub>alkyl,

which alkyl group may bear one or more substituents selected from: halogeno, amino,  $C_{1-4}$ alkylamino, di( $C_{1-4}$ alkyl)amino, hydroxy,  $C_{1-4}$ alkoxy,  $C_{1-4}$ alkylsulphanyl,  $C_{1-4}$ alkylsulphonyl,  $C_{1-4}$ alkoxycarbonylamino,  $C_{1-4}$ alkanoyl, carboxy, phenyl, sulphate, phosphate and a group - $Y^3R^{28}$ , wherein

 $Y^3$  is -NR<sup>29</sup>C(O)- or -O-C(O)- (wherein R<sup>29</sup> represents hydrogen, C<sub>1-3</sub>alkyl or C<sub>1-3</sub>alkoxyC<sub>2-3</sub>alkyl) and

R<sup>28</sup> is C<sub>1-7</sub>alkyl, C<sub>3-7</sub>cycloalkyl or a group R<sup>30</sup> wherein R<sup>30</sup> is a phenyl group or a 5-10-membered aromatic heterocyclic group (linked via carbon or nitrogen) with 1-4 heteroatoms selected independently from O, N and S, which phenyl or aromatic heterocyclic group may bear one or more substituents selected from hydroxy, nitro, halogeno, amino, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>haloalkyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>hydroxyalkyl, C<sub>1-4</sub>aminoalkyl, C<sub>1-4</sub>alkylamino, C<sub>1-4</sub>hydroxyalkoxy, carboxy, cyano, -CONR<sup>31</sup>R<sup>32</sup> and -NR<sup>31</sup>COR<sup>32</sup> (wherein R<sup>31</sup>, R<sup>32</sup>, R<sup>33</sup> and R<sup>34</sup>, which may be the same or different, each represents hydrogen, C<sub>1-3</sub>alkyl or C<sub>1-3</sub>alkoxyC<sub>2-3</sub>alkyl), and

a group -Y<sup>4</sup>R<sup>35</sup>, wherein

Y<sup>4</sup> is -C(O)-, -OC(O)-, -O-, -SO-, -SO<sub>2</sub>-, -OSO<sub>2</sub>-, -NR<sup>36</sup>-, -C<sub>1-4</sub>alkylNR<sup>36</sup>-, -C<sub>1-4</sub>alkylC(O)-, -NR<sup>37</sup>C(O)-, -OC(O)O-, -C(O)NR<sup>38</sup>- or -NR<sup>39</sup>C(O)O- (wherein R<sup>36</sup>, R<sup>37</sup>, R<sup>38</sup> and R<sup>39</sup>, which may be the same or different, each represents hydrogen, C<sub>1-3</sub>alkyl or C<sub>1-3</sub>alkoxyC<sub>2-3</sub>alkyl) and

R<sup>35</sup> is a sugar moiety, a mono-peptide, a di-peptide, a tri-peptide, a tetra-peptide, sulphate, hydroxy, amino, C<sub>1-7</sub>alkyl, C<sub>1-7</sub>alkoxy, C<sub>1-7</sub>alkanoyl, C<sub>1-7</sub>alkylamino, di(C<sub>1-7</sub>alkyl)amino, aminoC<sub>1-7</sub>alkylamino, C<sub>1-7</sub>alkylaminoC<sub>1-7</sub>alkylaminoC<sub>1-7</sub>alkylamino, C<sub>1-7</sub>alkylphosphate, C<sub>1-7</sub>alkylphosphonate, C<sub>1-7</sub>alkylcarbamoylC<sub>1-7</sub>alkyl,

which alkyl, alkoxy, alkanoyl, alkylamino, dialkylamino, aminoalkylamino, alkylamino, alkanoylaminoalkyl, dialkylaminoalkylamino, alkylphosphate, alkylphosphonate or alkylcarbamoylalkyl, may bear one or more

substituents selected from: halogeno, amino, C<sub>1-4</sub>alkylamino, di(C<sub>1-4</sub>alkyl)amino, hydroxy, C<sub>1-4</sub>hydroxyalkyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>alkylsulphanyl, C<sub>1-4</sub>alkylsulphonyl,  $C_{1-4}$ alkoxycarbonylamino,  $C_{1-4}$ alkanoyl, carboxy, phenyl, nitro, sulphate, phosphate and a group -Y<sup>5</sup>R<sup>40</sup>, wherein

 $Y^5$  is -NR<sup>41</sup>C(O)-, -C(O)NR<sup>42</sup>-, -C(O)-O- or -O-C(O)- (wherein R<sup>41</sup> and R<sup>42</sup> which may be the same or different each represents hydrogen, C<sub>1-3</sub>alkyl or  $C_{1-3}$ alkoxy $C_{2-3}$ alkyl) and

R<sup>40</sup> is C<sub>1-7</sub>alkyl, C<sub>3-7</sub>cycloalkyl, carboxyC<sub>1-7</sub>alkyl or a group R<sup>43</sup> wherein R<sup>43</sup> is a phenyl group, a benzyl group or a 5-10-membered aromatic heterocyclic group (linked via carbon or nitrogen) with 1-4 heteroatoms selected independently from O, N and S, which phenyl, benzyl or aromatic heterocyclic group may bear one or more substituents selected from hydroxy, nitro, halogeno, amino, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>haloalkyl, C<sub>1-4</sub>alkoxy,  $C_{1-4}$ hydroxyalkyl,  $C_{1-4}$ aminoalkyl,  $C_{1-4}$ alkylamino,  $C_{1-4}$ hydroxyalkoxy, carboxy, cyano, -CONR<sup>44</sup>R<sup>45</sup> and -NR<sup>46</sup>COR<sup>47</sup> (wherein R<sup>44</sup>, R<sup>45</sup>, R<sup>46</sup> and R<sup>47</sup>, which may be the same or different, each represents hydrogen, C<sub>1-3</sub>alkyl or  $C_{1-3}$ alkoxy $C_{2-3}$ alkyl).

R<sup>48</sup>, wherein R<sup>48</sup> is a phenyl group, a benzyl group or a 5-10-membered aromatic heterocyclic group (linked via carbon or nitrogen) with 1-4 heteroatoms selected independently from O, N and S, which phenyl, benzyl or aromatic heterocyclic group may bear one or more substituents selected from

hydroxy, nitro, halogeno, amino, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>haloalkyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>hydroxyalkyl, C<sub>1-4</sub>aminoalkyl, C<sub>1-4</sub>alkylamino, di(C<sub>1-4</sub>alkyl)amino,  $di(C_{1-4}alkyl)aminoC_{1-4}alkyl, di(C_{1-4}hydroxyalkyl)aminoC_{1-4}alkyl,$ di(C<sub>1-4</sub>aminoalkyl)aminoC<sub>1-4</sub>alkyl, C<sub>1-4</sub>hydroxyalkoxy, carboxy, C<sub>1-4</sub>carboxyalkyl, phenyl, cyano, -CONR<sup>49</sup>R<sup>50</sup>, -NR<sup>51</sup>COR<sup>52</sup> (wherein R<sup>49</sup>, R<sup>50</sup>, R<sup>51</sup> and R<sup>52</sup>, which may be the same or different, each represents hydrogen, C<sub>1-3</sub>alkyl or C<sub>1-3</sub>alkoxyC<sub>2-3</sub>alkyl) and C<sub>1-4</sub>alkylR<sup>53</sup> (wherein R<sup>53</sup> is as defined herein),

C<sub>1-7</sub>alkylR<sup>48</sup> (wherein R<sup>48</sup> is as defined herein),

R<sup>53</sup>, wherein R<sup>53</sup> is a 5-6-membered saturated heterocyclic group (linked via carbon or nitrogen) with 1-2 heteroatoms, selected independently from O, S and N, which heterocyclic group may bear 1 or 2 substituents selected from

oxo, hydroxy, halogeno, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>hydroxyalkyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>carboxyalkyl, C<sub>1-4</sub>aminoalkyl, di(C<sub>1-4</sub>alkyl)aminoC<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkoxyC<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkylsulphonylC<sub>1-4</sub>alkyl and R<sup>54</sup>, wherein R<sup>54</sup> is a 5-6-membered saturated heterocyclic group (linked via carbon or nitrogen) with 1-2 heteroatoms, selected independently from O, S and N, which heterocyclic group may bear 1 or 2 substituents selected from

oxo, hydroxy, halogeno,  $C_{1-4}$ alkyl,  $C_{1-4}$ hydroxyalkyl,  $C_{1-4}$ alkoxy,  $C_{1-4}$ alkoxy $C_{1-4}$ alkyl and  $C_{1-4}$ alkylsulphonyl $C_{1-4}$ alkyl, or

(CH<sub>2</sub>)<sub>a</sub>Y<sup>6</sup>(CH<sub>2</sub>)<sub>b</sub>R<sup>53</sup>, wherein

R<sup>53</sup> is as defined herein, a is 0, or an integer 1-4,

b is 0 or an integer 1-4 and

Y<sup>6</sup> represents a direct bond, -O-, -C(O)-, -NR<sup>55</sup>-, -NR<sup>56</sup>C(O)- or -C(O)NR<sup>57</sup>- (wherein R<sup>55</sup>, R<sup>56</sup>, and R<sup>57</sup>, which may be the same or different, each represents hydrogen, C<sub>1-3</sub>alkyl or C<sub>1-3</sub>alkoxyC<sub>2-3</sub>alkyl),

and wherein one or more of the (CH<sub>2</sub>)<sub>a</sub> or (CH<sub>2</sub>)<sub>b</sub> groups may bear one or more substituents selected from hydroxy, amino and halogeno;

with the proviso that  $R^5$  is not hydroxy, alkoxy, substituted alkoxy (wherein  $R^5$  is  $Y^4R^{35}$  and  $Y^4$  is -O- and  $R^{35}$  is  $C_{1-7}$ alkyl bearing one or more substituents selected from the list given herein), -OPO<sub>3</sub>H<sub>2</sub>, -O-C<sub>1-7</sub>alkanoyl or benzyloxy;

with the further proviso that at least one of  $R^5$  or  $R^6$  is a group  $-Y^4R^{35}$  (wherein  $Y^4$  and  $R^{35}$  are as defined herein) but with the further provisos

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that when R<sup>5</sup> is -Y<sup>4</sup>R<sup>35</sup> and R<sup>6</sup> is hydrogen, hydroxy, methoxy or methoxycarbonyl, -Y<sup>4</sup>R<sup>35</sup> is not selected from cases wherein:

 $Y^4$  is -C(O)-, -OC(O)-, -O-, -SO-, -OSO<sub>2</sub>-, -NR<sup>36</sup>-, -NR<sup>37</sup>C(O)- or -C(O)NR<sup>38</sup>- (wherein R<sup>36</sup>, R<sup>37</sup> and R<sup>38</sup>, which may be the same or different, each represents hydrogen, C<sub>1-3</sub>alkyl or C<sub>1-3</sub>alkoxyC<sub>2-3</sub>alkyl) and

R<sup>35</sup> is a glycine, valine or lysine group, a dipeptide of glycine and valine groups, C<sub>1-7</sub>alkyl, C<sub>1-7</sub>alkoxy, C<sub>1-7</sub>alkanoyl, (which alkyl, alkoxy or alkanoyl may bear one or more substituents selected from: halogeno, hydroxy, and a group -Y<sup>5</sup>R<sup>40</sup> (wherein Y<sup>5</sup> is -O-C(O)- and R<sup>40</sup> is C<sub>1-7</sub>alkyl), or R<sup>48</sup>, wherein R<sup>48</sup> is a tetrazolyl group (which may or may not be substituted as herein defined), a phenyl group or a benzyl group which phenyl or benzyl group may bear one or more substituents selected from C<sub>1-4</sub>alkyl; and

that when R<sup>6</sup> is -Y<sup>4</sup>R<sup>35</sup> and R<sup>5</sup> is hydrogen, methoxy or methoxycarbonyl, -Y<sup>4</sup>R<sup>35</sup> is not selected from cases wherein:

$$Y^4$$
 is -C(O)-, -O- or -OSO<sub>2</sub>- and

R<sup>35</sup> is C<sub>1-7</sub>alkyl, C<sub>1-7</sub>alkoxy (which alkyl, alkoxy or alkanoyl may bear one or more substituents selected from: halogeno), R<sup>48</sup> (wherein R<sup>48</sup> is a benzyl group which benzyl group may bear one or more substituents selected from C<sub>1-4</sub>alkyl), or R<sup>53</sup> (wherein R<sup>53</sup> is piperidinyl);

or a salt thereof.

Claim 3 (canceled).

Claim 4 (previously presented): A compound according to claim 2 wherein X is  $-CH(\mathbb{R}^7)$ -, wherein

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R<sup>7</sup> is -OR<sup>8</sup> or -NR<sup>8</sup>R<sup>9</sup>, wherein R<sup>8</sup> is a group -Y<sup>1</sup>R<sup>10</sup> (wherein Y<sup>1</sup> is -C(O)-, -C(O)O- or -C(O)NR<sup>11</sup>- (wherein R<sup>11</sup> represents hydrogen, C<sub>1-3</sub>alkyl or C<sub>1-3</sub>alkoxyC<sub>2-3</sub>alkyl) and R<sup>10</sup> is as defined in claim 2) and R<sup>9</sup> is as defined in claim 2.

Claim 5 (previously presented): A compound according to claim 2 wherein  $R^1$ ,  $R^2$  and  $R^3$  are each methyl.

Claim 6 (previously presented): A compound according to claim 2 wherein R<sup>4</sup> is hydrogen.

Claim 7 (previously presented): A compound according to claim 2 wherein  $R^6$  is hydrogen, halogeno, amino, carboxy, hydroxy,  $C_{1-7}$ alkoxy or a group  $Y^4R^{35}$ , wherein

$$Y^4$$
 is -C(O)-, -O- or -OSO<sub>2</sub>- and

R<sup>35</sup> is C<sub>1-7</sub>alkyl, C<sub>1-7</sub>alkoxy (which alkyl or alkoxy may bear one or more substituents selected from halogeno), R<sup>48</sup> (wherein R<sup>48</sup> is a benzyl group) or R<sup>53</sup> (wherein R<sup>53</sup> is a 5-6-membered saturated heterocyclic group (linked via carbon or nitrogen) with 1-2 heteroatoms selected independently from O, S and N).

Claim 8 (**previously presented**): A compound according to claim 2 wherein R<sup>6</sup> is hydrogen, C(O)OCH<sub>3</sub> or methoxy.

Claim 9 (previously presented): A compound according to claim 2 wherein R<sup>5</sup> is hydrogen, halogeno, amino, carboxy, carbamoyl, C<sub>1-7</sub>alkanoyl, C<sub>1-7</sub>thioalkoxy, or a group -Y<sup>4</sup>R<sup>35</sup>, wherein

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Y<sup>4</sup> is -C(O)-, -OC(O)-, -O-, -SO-, -OSO<sub>2</sub>-, -NR<sup>36</sup>-, -NR<sup>37</sup>C(O)- or -C(O)NR<sup>38</sup>- (wherein R<sup>36</sup>, R<sup>37</sup> and R<sup>38</sup>, which may be the same or different, each represents hydrogen,  $C_{1-3}$ alkyl or  $C_{1-3}$ alkoxy $C_{2-3}$ alkyl) and

R<sup>35</sup> is a sugar moiety, a mono-peptide, a di-peptide, a tri-peptide, a tetra-peptide, C<sub>1-7</sub>alkyl, C<sub>1-7</sub>alkoxy, C<sub>1-7</sub>alkanoyl, C<sub>1-7</sub>alkanoylaminoC<sub>1-7</sub>alkyl,

which alkyl, alkoxy, alkanoyl, alkanoylaminoalkyl may bear one or more substituents selected from: halogeno, amino, hydroxy, carboxy, and a group -Y<sup>5</sup>R<sup>40</sup>, wherein

$$Y^5$$
 is -C(O)-O- or -O-C(O)- and

R<sup>40</sup> is C<sub>1-7</sub>alkyl or a group R<sup>43</sup> wherein R<sup>43</sup> is a benzyl group,

R<sup>48</sup>, wherein R<sup>48</sup> is a phenyl group, a benzyl group or a 5-10-membered aromatic heterocyclic group (linked via carbon or nitrogen) with 1-4 heteroatoms selected independently from O, N and S, which phenyl, benzyl or aromatic heterocyclic group may bear one or more substituents selected from

hydroxy, fluoro, amino,  $C_{1-4}$ alkoxy,  $C_{1-4}$ hydroxyalkyl,  $C_{1-4}$ aminoalkyl,  $C_{1-4}$ alkylamino, di( $C_{1-4}$ alkyl)amino $C_{1-4}$ alkyl, di( $C_{1-4}$ hydroxyalkyl)amino $C_{1-4}$ alkyl, di( $C_{1-4}$ aminoalkyl)amino $C_{1-4}$ alkyl,  $C_{1-4}$ hydroxyalkoxy, carboxy,  $C_{1-4}$ carboxyalkyl, cyano, -CONR<sup>49</sup>R<sup>50</sup>, -NR<sup>51</sup>COR<sup>52</sup> (wherein R<sup>49</sup>, R<sup>50</sup>, R<sup>51</sup> and R<sup>52</sup>, which may be the same or different, each represents hydrogen,  $C_{1-3}$ alkyl or  $C_{1-3}$ alkoxy $C_{2-3}$ alkyl) and  $C_{1-4}$ alkyl $R^{53}$  (wherein R<sup>53</sup> is as defined herein),  $C_{1-7}$ alkyl $R^{48}$  (wherein R<sup>48</sup> is as defined herein),  $R^{53}$ , wherein

R<sup>53</sup> is a 5-6-membered saturated heterocyclic group (linked via carbon or nitrogen) with 1-2 heteroatoms, selected independently from O, S and N, which heterocyclic group may bear 1 or 2 substituents selected from

oxo, hydroxy, fluoro, chloro,  $C_{1-4}$ alkyl,  $C_{1-4}$ hydroxyalkyl,  $C_{1-4}$ alkoxy,  $C_{1-4}$ carboxyalkyl,  $C_{1-4}$ aminoalkyl, di $(C_{1-4}$ alkyl)amino $C_{1-4}$ alkyl,

C<sub>1-4</sub>alkoxyC<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkylsulphonylC<sub>1-4</sub>alkyl and R<sup>54</sup>, wherein R<sup>54</sup> is a 5-6-membered saturated heterocyclic group (linked via carbon or nitrogen) with 1-2 heteroatoms, selected independently from O, S and N, which heterocyclic group may bear 1 or 2 substituents selected from

oxo, hydroxy, halogeno,  $C_{1-4}$ alkyl,  $C_{1-4}$ hydroxyalkyl,  $C_{1-4}$ alkoxy,  $C_{1-4}$ alkoxy $C_{1-4}$ alkyl and  $C_{1-4}$ alkylsulphonyl $C_{1-4}$ alkyl, or

(CH<sub>2</sub>)<sub>a</sub>Y<sup>6</sup>(CH<sub>2</sub>)<sub>b</sub>R<sup>53</sup>, wherein

R<sup>53</sup> is as defined herein,

a is 0, or an integer 1-4,

b is 0 or an integer 1-4 and

Y<sup>6</sup> represents a direct bond, -O-, -C(O)-, -NR<sup>55</sup>-, -NR<sup>56</sup>C(O)- or -C(O)NR<sup>57</sup>- (wherein R<sup>55</sup>, R<sup>56</sup>, and R<sup>57</sup>, which may be the same or different, each represents hydrogen, C<sub>1-3</sub>alkyl or C<sub>1-3</sub>alkoxyC<sub>2-3</sub>alkyl),

and wherein one or more of the (CH<sub>2</sub>)<sub>a</sub> or (CH<sub>2</sub>)<sub>b</sub> groups may bear one or more substituents selected from hydroxy, amino and halogeno;

with the proviso that  $R^5$  is not alkoxy, substituted alkoxy (wherein  $R^5$  is  $Y^4R^{35}$  and  $Y^4$  is -O- and  $R^{35}$  is  $C_{1-7}$ alkyl bearing one or more substituents selected from the list given herein), -O- $C_{1-7}$ alkanoyl or benzyloxy.

Claim 10 (original): A compound according to claim 2 selected from:

- (5S)-5-(acetylamino)-9,10,11-trimethoxy-6,7-dihydro-5H-dibenzo[a,c]cyclohepten-3-yl 3-{[(2R)-2,6-diaminohexanoyl]amino}propanoate,
- (5S)-5-(acetylamino)-9,10,11-trimethoxy-6,7-dihydro-5H-dibenzo[a,c]cyclohepten-3-yl 3-[(2-aminoacetyl)amino]propanoate,
- N-([(5S)-5-(acetylamino)-9,10,11-trimethoxy-6,7-dihydro-5H-dibenzo[a,c]cyclohepten-3-yl] oxymethyl)-2-morpholinoacetamide,

- (2S,3S,4S,5R,6R)-6-{[(5S)-5-(acetylamino)-9,10,11-trimethoxy-6,7-dihydro-5*H*-dibenzo-[a,c]cyclohepten-3-yl]oxy}-3,4,5-trihydroxytetrahydro-2*H*-pyran-2-carboxylic acid,
- N-[(5S)-3-(4-{4-methylpiperazin-1-ylmethyl}phenylcarbonyloxy)-9,10,11-trimethoxy-6,7-di hydro-5H-dibenzo[a,c]cyclohepten-5-yl]acetamide,
- N-[(5S)-3-(4-{morpholinomethyl}phenylcarbonyloxy)-9,10,11-trimethoxy-6,7-dihydro-5H-d ibenzo[a,c]cyclohepten-5-yl]acetamide,
- (5S)-5-(acetylamino)-9,10,11-trimethoxy-6,7-dihydro-5H-dibenzo[a,c]cyclohepten-3-yl 3-[4-methylpiperazin-1-ylcarbonyl]propanoate,
- 5-[ $\{(5S)$ -5-(acetylamino)-9,10,11-trimethoxy-6,7-dihydro-5H-dibenzo[a,c]cyclohepten-3-yl $\}$  oxycarbonyl]pentanoic acid,
- 4-(3-[(5S)-5-(acetylamino)-9,10,11-trimethoxy-6,7-dihydro-5H-dibenzo[a,c]cyclohepten-3-yl ]oxy-3-oxopropyl)benzoic acid and
- (2S)-N-[(5S)-5-(acetylamino)-9,10,11-trimethoxy-6,7-dihydro-5H-dibenzo[a,c]-cyclohepten-3-yl]-2-amino-3-hydroxypropanamide,

Claim 11 (original): A compound according to claim 2 selected from

- N-[(5S)-3-(4-{4-methylpiperazin-1-ylmethyl}phenylcarbonyloxy)-9,10,11-trimethoxy-6,7-di hydro-5H-dibenzo[a,c]cyclohepten-5-yl]acetamide and
- (2S)-N-[(5S)-5-(acetylamino)-9,10,11-trimethoxy-6,7-dihydro-5H-dibenzo[a,c]-cyclohepten-3-yl]-2-amino-3-hydroxypropanamide,

and salts thereof.

and salts thereof.

Claim 12 (original): A compound according to claim 2 selected from

(2S)-N-[(5S)-5-(acetylamino)-9,10,11-trimethoxy-6,7-dihydro-5H-dibenzo[a,c]-cyclohepten-3-yl]-2-amino-5-[(2-nitroethanimidoyl)amino]pentanamide

and salts thereof.

Claim 13 (previously presented): A process for the manufacture of a compound of formula IIa as defined in claim 2 which comprises:

(a) for the preparation of compounds of formula IIa and salts thereof in which R<sup>5</sup> or R<sup>6</sup> is a group Y<sup>4</sup>R<sup>35</sup> (wherein R<sup>35</sup> is as defined in claim 2 and Y<sup>4</sup> is a group -OC(O)- or -NHC(O)-), the reaction of a compound of formula III or IV:

$$R^2$$
 $R^3$ 
 $R^3$ 
 $R^3$ 
 $R^4$ 
 $R^4$ 
 $R^4$ 
 $R^5$ 
(III)
 $R^5$ 

(wherein X, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup> are as defined in claim 2 and Y<sup>7</sup> is -O- or -NH-), by acylation or coupling reactions;

- (b) for the preparation of compounds of formula IIa and salts thereof in which R<sup>5</sup> or R<sup>6</sup> is a group Y<sup>4</sup>R<sup>35</sup> (wherein R<sup>35</sup> is C<sub>1-7</sub>alkoxy which may be substituted as defined in claim 2 and Y<sup>4</sup> is a group -OC(O)- or -NHC(O)-), the reaction of a compound of formula III and IV, by acylation reactions;
- (c) for the preparation of compounds of formula IIa and salts thereof in which R<sup>5</sup> or R<sup>6</sup> is a group Y<sup>4</sup>R<sup>35</sup> (wherein R<sup>35</sup> is aminoC<sub>1-7</sub>alkylamino, C<sub>1-7</sub>alkylaminoC<sub>1-7</sub>alkylamino, di(C<sub>1-7</sub>alkyl)aminoC<sub>1-7</sub>alkylamino and may be substituted as defined in claim 2, or is R<sup>53</sup> (wherein R<sup>53</sup> is as defined in claim 2) and Y<sup>4</sup> is a group -OC(O)- or -NHC(O)-), can be prepared by the reaction of a compound of formula III or IV, acylation reactions;

(V)

(d) for the preparation of compounds of formula IIa and salts thereof in which R<sup>5</sup> or R<sup>6</sup> is a group Y<sup>4</sup>R<sup>35</sup> (wherein R<sup>35</sup> is a sugar moiety and Y<sup>4</sup> is a group -O- or -NH-), the reaction of a compound of formula III or IV by glycosylation reactions;

- (e) for the preparation of compounds of formula IIa and salts thereof in which R<sup>5</sup> or R<sup>6</sup> is a group Y<sup>4</sup>R<sup>35</sup> (wherein R<sup>35</sup> is sulphate and Y<sup>4</sup> is a group -O- or -NH-), the reaction of a compound of formula III or IV, by sulphonylation reactions;
- (f) for the preparation of compounds of formula IIa and salts thereof in which R<sup>5</sup> or R<sup>6</sup> is a group Y<sup>4</sup>R<sup>35</sup> (wherein R<sup>35</sup> is C<sub>1-7</sub>alkylphosphate and may be substituted as defined in claim 2 and Y<sup>4</sup> is a group -O- or -NH-), the reaction of a compound of formula III or IV, by phosphorylation reactions;
- (g) for the preparation of compounds of formula IIa and salts thereof in which R<sup>5</sup> is amino the reaction of a carboxylic acid of formula V:

$$R^2$$
 $R^3$ 
 $X$ 
 $R^4$ 
 $R^6$ 
 $COOH$ 

(wherein X,  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$  and  $R^6$  are as defined in claim 2) via Curtius rearrangement and hydrolysis; and

(h) for the preparation of compounds of formula IIa and salts thereof in which R<sup>5</sup> or R<sup>6</sup> is chloro the reaction of a compound of formula III or IV by the Sandmeyer reaction;

and when a pharmaceutically acceptable salt of a compound of formula IIa is required, reaction of the compound obtained with an acid or base whereby to obtain the desired pharmaceutically acceptable salt.

Claim 14 (original): A pharmaceutical composition which comprises as active ingredient a compound of formula IIa as defined in claim 2 or a pharmaceutically acceptable salt thereof in association with a pharmaceutically acceptable excipient or carrier.

Claim 15 (cancelled).

Claim 16 (currently amended): A method of reducing neovascularization by selectively damaging newly formed vascular endothelium epithelium in a warm-blooded animal in need thereof which comprises administering to said animal an effective amount of a compound of formula IIa or a pharmaceutically acceptable salt thereof as defined in any one of claims 2, 4, 7, 8, 9, 10, 11 and 12-claim 2.